Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
YEAR					PROCEDURE	CLASS 4	DDI, TC, CAC, ECM, EGR, OC,					
2009	009 9NVXH0570AGB		9.3	Diesel	Diesel	MHDD	PTOX					
	ENGINE'S IDLE NS CONTROL		ADDITIONAL IDLE EMISSIONS CONTROL 5									
	ESS	N/A.										
ENGINE (L	ENGINE MODELS / CODES (rated power, in hp)											
9.3	GDT310 / GDT310 (310), GDT300 / GDT300 (300) GDT310 / 0012WZD (310), GDT300 / 0012WZD (300)											
L=liter, hp= 1 CNG/LN 2 L/M/H H 3 ECS=en up catalyst; TBI=throttle super charg- control mod 5 ESS=en (per 13 CCF	-horsepower; kw=ki IG=compressed/iqui IDD=light/medium/he nission control syste DPF=diesel particul body fuel injection; er; CAC=charge air ute; EM=engine mo gine shutdown syste	iowatt; hr efied natur evy heavy m; TWC/0 late filter; SFI/MFI= cooler; E dification; im (per 13 exempt=e:	=hour; rat gas; LPG=liquefie y-duty diesel; UB=urb OC=three-wayloxidizir PTOX=periodic trap o sequential/multi port f GR / EGR-C=exhaus 2 (prefix)=parallel; (\$ CCR 1956.8(a)(6)(A) vempted per 13 CCR	d petroleum gas; E85=85% pan bus; HDO=heavy duty O g catalyst; NAC=NOx adso poxidizer; HO25/O25=heated uel injection; DGI=direct gas gas recirculation / cooled E 2) (suffix)=in series; (1), 30g=30 g/hr NOx (per 1 1956.8(a)(6)(B) or for CNG/L	ethanol fuel; MF=mult litto; rption catalyst; SCR-U /oxygen sensor; HAF! loline injection; GCAR GR; PAIR/AIR=pulsec 3 CCR 1956.8(a)(6)(C	i fuel a.k.a. BF // SCR-N=seler // SCR-N=seler // SCR-N=seler // SPS=seler // Secondary air // APS =intern.	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; Wair-fuel-ratio sensor (a.k.a., universal or linear or buretor; IDI/DDI=indirect/direct diseal injection injection; SPL=smoke puff limiter; ECM/PCM= al combustion auxiliary power system; ALT=al (e.g., Otto engines and vehicles);	/U (prefix) =warm- xygan sansor); ; TC/SC=turbo/ =angina/powertrain				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	1.65	1.65	1.6	1.6	*	*	*	•	+	*
CERT	0.00	0.00	1.61	1.20	1.6	1.2	0.4	0.2	0.001	0.000	. *	*
NTE	0.21		2.06		2.0		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour, FTP=Federai Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level, NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen, CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: Engines with the engine code 0012WZD are conditionally certified for use in vehicles that are exempted from the ESS requirements under the amendments approved by the Board on December 12, 2008. In the event the amendments were not approved by the Office of Administrative Law, and thus not becoming effective, the manufacturer will be required to recall these engines, provide the ESS feature, and affix a new engine label bearing the ESS status.

Engines certified under this Executive Order must conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-004-0341-1 dated February 18, 2009.

Executed at El Monte, California on this _____ day of July 2009.

Annette Hebert, Chief

Mobile Source Operations Division